



US006236718B1

(12) **United States Patent**  
**Goodman**

(10) Patent No.: **US 6,236,718 B1**  
 (45) Date of Patent: **\*May 22, 2001**

(54) **VIDEO TRANSMISSION AND CONTROL SYSTEM UTILIZING INTERNAL TELEPHONE LINES**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **09/292,895**

(22) Filed: **Apr. 16, 1999**

#### Related U.S. Application Data

(63) Continuation of application No. 08/819,120, filed on Mar. 17, 1997, which is a continuation of application No. 08/431,270, filed on Apr. 28, 1995, now abandoned, which is a continuation of application No. 08/181,562, filed on Jan. 13, 1994, now abandoned, which is a continuation of application No. 08/062,148, filed on May 14, 1993, now abandoned, which is a continuation of application No. 07/688,864, filed on Apr. 19, 1991, now abandoned, which is a continuation of application No. 07/379,751, filed on Jul. 14, 1989, now Pat. No. 5,010,399.

(51) Int. Cl.<sup>7</sup> ..... **H04M 11/00**

(52) U.S. Cl. .... **379/90.01; 93/102.03**

(58) Field of Search ..... **379/90.01, 93.01, 379/93.05-93.08, 93.15, 93.26, 93.28, 93.37, 110.01, 102.01-102.03; 348/14-16, 7, 734; 359/142, 145-148**

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#### (57) ABSTRACT

A video transmission system for facilitating transmission of video and control signals, particularly infrared remote control signals, between different locations in a residence using existing telephone wiring. Simultaneous transmission of signals of both types over active telephone lines is possible without interference with telephone communications. Transmission succeeds without requiring special treatment of the video signals beyond RF conversion, despite signal attenuation inherent in transmission over the telephone line media. Two or more video sources may be tied into the system, and selected as desired. Remote control signals generated in one room may be utilized without requiring a clear line of sight between the remote control device and the receiver.

63 Claims, 8 Drawing Sheets

